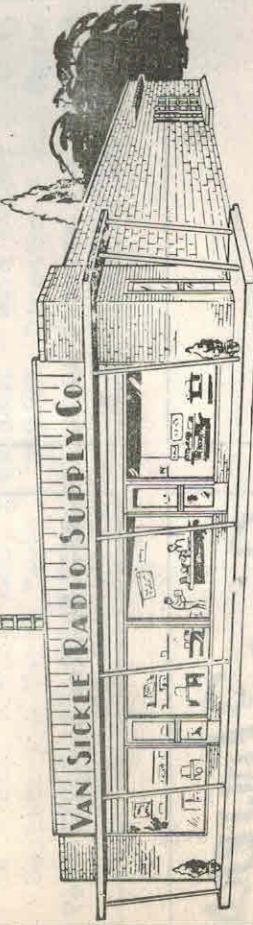


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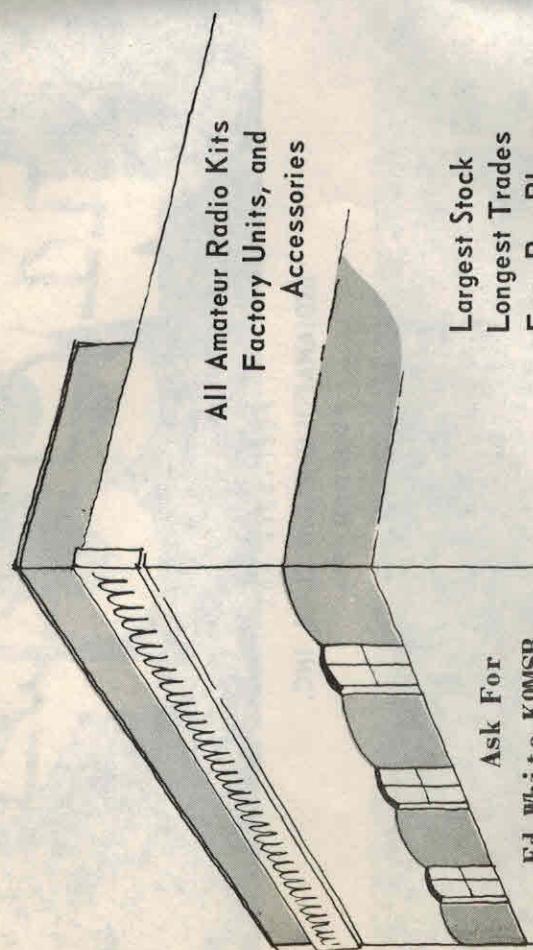
FEBRUARY 1967

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The INDIANAPOLIS RADIO CLUB meets on the SECOND and FOURTH FRIDAYS of each month except July and August at Sams Technical Institute, 1720 E. 38th Street. Meetings start at 8 PM

1967 OFFICERS

PRESIDENT:	Ward L. Studor 3907 N. New Jersey	WA9CCX 283 7018
VICE-PRES:	Gerald Lucas 7830 Melborne Road	W9APJ 291 0372
SECRETARY:	Earl C. Terrill 6037 Crittenden Av	WA9JQH 255 7834
TREASURER:	Alvin J. Minnick 4945 Primrose Av	K9SUW 255 8953
CHIEF-OP'R:	William F. Lueth 6031 E. Pleasant Run Frkwy S.D.	W9DSC 356 7168
DIRECTOR:	James Sugioka 235 S. Ritter	W9CKB 356 2839
DIRECTOR:	Robert K. Caskey 2355 Stuart	W9DNQ 546 3089
EDITOR:	Richard M. Kinnett 3716 Chateau Court Indianapolis, IN 46226	K9VIE 898 4539

Ama-Chever is published monthly for the Indianapolis Radio Club, Inc., and all amateurs in the Indianapolis area. Non-members may subscribe for \$1.50 a year.

Publication is on the THIRD Friday of each month with all news items and ads due no later than the FIRST Friday.

Ham Ads (5 line limit) are free to members and subscribers. Others may submit ads for 50¢ each.

Ama-Chever welcomes the forwarding of information on the coming events and activities of other clubs for publication. Send direct to Editor.

Exchange program free with other Amateur Radio Clubs. Contents may be copied if proper credit given. A.R.N.S.

Do you have the slightest tendency to be getting bored with amateur radio? If so, it may be time to find a new challenge in the amateur field. Join the IRC. But don't stop at joining, participate and add something to the club. We have been told by long time hams that they have found a new happiness in getting in to the swim of things. Helping make new hams and helping others, with any ham problems. See Jim Sugioka W9CKB, Chairman of the Club's Technical Committee. See the kick you will get out of helping fellow hams.

DO WE NEED THE ARRL? Probably one of the most common characteristics shared by all hams is self interest. A recent survey disclosed that less than $\frac{1}{2}$ of all hams belong to the ARRL or even a local radio club. However, they all admitted that they realized the importance of a strong organization in amateur radio, and that the League was serving a useful purpose. Before you wake up your mind, let me ask six questions: - (1) Who speaks for hams when our frequencies are looked at with greedy eyes, both nationally and internationally? (2) Who is responsible for the organization of public service communications by which ham's usefulness is demonstrated and can be proven? (3) Who will go to bat for us if we are unfairly put on restricted operating privileges? (4) Who has published the most comprehensive handbook on every phase of our hobby? (5) Who is behind the effort to get intruders off the Amateur bands? (6) Who has been behind all the reciprocal agreements? Look at the facts objectively and unbiased. The answer is a resounding ARHL THATS WHO. The IRC has arrangements with the League so your membership to the League and subscription to QST can be gotten for the bargain price of only \$4.50. See our Secretary or Treasurer. They will carry through for you. Or speak to Director Bob Caskey W9DNQ, Membership Committee Chairman.

de Wark Studor
WA9CCX

*

THE PRESIDENT'S FREQUENCY

After serving as program chairman for three of the last four years, I have about run dry. This year, therefore, I am going to try something new. Each business meeting night program will be assigned to specific club member. It will then become his responsibility to provide the program for that one night. He can either give the program himself, or arrange for someone else to stand in for him. I would urge that each of you do the job yourself rather than finding someone else. Read an article in QST, and explain it to the rest of us, build any piece of gear, and describe it, or tell us about your special interest in ham radio, or another hobby you may have. You don't have to be an accomplished public speaker, and a half-hour talk will be enough. I never knew a ham that couldn't talk for a half-hour non-stop. Good luck, I will be in the front row applauding you. Here are the assignments as well as other programs I have been able to arrange:

Feb. 24	- ART SCHULTZ	W9MKK	- Space Communications
Mar. 10	- Bill Lueth	W9DSC	- Code contest
Mar. 24	- DICK JUDKINS	--	- to be announced
Apr. 14	- Dick Kinnett	K9VTE	- QSO to QSL
Apr. 28	- HANK WOLFIA	K9LZJ	- Antennae
May 12	- Home Brew Night		
May 26	- W F B M TOUR		
June 9	- Jim Sugioka	W9CKB	- to be announced
June 23	- SWAP and SHOP Auction		
Sept. 8	- Bring vacation pix and slides		
Oct. 13	- Bob Caskey	W9DNQ	- to be announced
Oct. 27			

CANADA CENTENNIAL AWARD:- By Ontario DX Associates, Station B, P. O. Box 717, Ontario, Canada. 100 QSOS with 3B, 3C calls with five from each call area between 1 January 1967 and 31 December 1967. All bands, any mode. ARNS

GRAHAM ELECTRONICS

Capt. Gerald Hetchinger W9HRO, of RR 2, Box 5B, Mooresville
is now EP2GH, after an application with IRAN for eight
months.

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*
Report on the Extra Class Licensing Code and Theory Class

As this is being written, the handful of survivors of the class have one more session then a clanny-handed trip to see the R. I. About one-third of the starters in the class stuck it out to the end, and two days remain before judgement will be pronounced on them. In spite of the fact that very few club members availed themselves of the opportunity to increase their proficiency, I still feel that this project was an excellent one, and if I don't make it this time, I will be among the first to sign up for the next class. Any failures will certainly be due to the caliber of the teaching. Craig Heindel W9ISU with an assist from Don Cowden W9JTL did a truly professional job on the theory, and Bill Lueh W9DSC did an excellent job on the code. If I make it on Feb. 10th please forgive a little bragging, and if I don't, how about joining with us and start getting ready for the next visit by the R. I.?

(Editor's Note: W9APJ Jerry, W9DSC Bill and K9QJT Homer passed the test and W9IJC Alvey will try harder the next time.)

*
Question: "I keep a list of overseas countries where agreements permit third party messages". But these I understand, are not the same as phone patch exchanges. Will you please indicate or confirm that the voice exchanges with all countries are OK as long as personal in nature and not commercial?"

Answer: "Sorry, but it is NOT true. There is no distinction between the context of informal third party voice communications and the sending of a radiogram. BOTH CONSTITUTE COMMUNICATIONS. The rules are in terms of 'communications'

SPECIALS FOR AMA-CHEWER READERS ONLY

Collins KWS 1 -----	\$695.00
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Hallicrafters SR 160 -----	199.00
HEATH DX 20 -----	28.00
HEATH HW 12 -----	97.00
HEATH MARAUDER HX 10 -----	269.00
Johnson Viking II -----	39.00
Johnson Ranger -----	79.00

See ED WHITE
K9MSB

INDIANA AMATEUR TV AND UHF CLUB ACTIVITIES

A meeting of the Indiana Amateur TV and UHF Club was held on Saturday, January 21, 1967. The 62 amateurs attending enjoyed talks on VHF repeaters by Chuck Schreiber K9VPE, and Use of TV Test Charts by John Willenbrock WAGMIA.

The prize winners for the evening in the homebrew contest were:
FIRST - Fritz Manning W9VPN - TV Camera
SECOND - John Willenbrock WAGMIA - TV Camera

Door prizes were won by:

Doug Waltz call unknown, Jim Keeth W9JDN and Lew Carmean W9DYD. Refreshments were served by Sue Miller W9CNW, Mrs. Gene Roeschlein and Mrs. Dave Zeph. The next big meeting will be held in MAY. It is hoped that we will have a complete rundown and demonstration of the aeronautical TV system that the club is planning.

The First relayed TV program was transmitted on Jan 22, when Ernie W9TCT at ST. Paul, Indiana transmitted a low powered TV signal on 446 mHz to Bill W9NTP at Waldren, Indiana and he simultaneously relayed to Indianapolis on 432 mHz to Fred W9VPN and Win W9JYI. Picture quality was good with no interference between the receiver and transmitter at the QTH of W9NTP. We hope to do more of this later.
See you in MAY EVERONE IS WELCOME
look for signs in all the radio stores....

Wade Kingery and Bert Bucy, a blind operator, were furnishing news items for the Ama-Chewer which had been rather on a hit and miss basis during the war years. Bert however, had come by a lathe and was spending time learning how to operate same while Kingery was quoted as "Not having much to say". Wade has been turning up again at meetings now-a-days so perhaps he will loosen up and do some talking. The club had a file of QST magazines and was attempting to fill in the missing copies, wonder if those are still around? A newcomer was being advertised in QST, the 'Panadaptor'. Hailicrafters were advertising the S-40 receiver for \$79.50. K4FEC, William R. Foley was publishing his forecasting charts for long distance transmission. Superregenerative receivers were still being shown for 2 meters using some of the newer 7 pin miniature tubes that were coming into use. LORAN, which took the greater part of 160 meters, was being explained and we hope today it could be explained out of the band. Leroy Waggoner, W9YMW was on the QST staff at West Hartford and it is assumed that he was or had been given soldering instructions, because it seems the QST staffers frowned on Uncle Roy's favorite method of soldering; holding the iron about two inches above the joint and applying solder to the tip and letting it drip on the joint below. Well, some can learn, can't they? Just for a little comparison, the HQ-129X was selling for \$129 and in recent used equipment listings, this receiver is selling for \$79 to 89.

that their own car radios were being interfered with and an extensive program of ignition engineering helped all on this problem. M.O.P.A. for Master Oscillator Power Amplifier was the name for the usual non-crystal controlled transmitters of the day. E.C.O., Electron Coupled Oscillators was the first of the VFO's as they are termed today. How time changes the names but not necessarily the modes or methods. Frequency shift keying was being discussed as a forerunner to teletype, as well as being advantageous to signal to noise ratio in the copying of code.

de Uncle Bob W9DNE

*

Now is the time to pay your 1967 dues to Al Minnick K9SUW and keep your name on the mailing list. The Ama-Chewer will be mailed to those only who have paid by 1 April 1967.

Make check for \$4.00 for IRC membership only or \$5.50 for IRC and ARRL to: INDIANAPOLIS RADIO CLUB, Inc.

mail to: Alvin J. Minnick K9SUW
4945 Primrose Avenue
Indianapolis, IN 46205
*

In March of 1946, QST was announcing that the FCC was beginning to re-issue licenses including the WØ calls. For the modern TV amateur, the story was being told of the part amateurs had played in the development of missile-born television cameras. Just a reminder that even paper to print QST on was a patchon a wrinkled page of QST that was printed and bound in the magazine because of the scarcity of magazine paper. In March, the 11 meter band had been activated with surprisingly little diathermy and industrial interference. Then you heard Diana Shore's new transmission-line song? - "Coax Me a Little".

W9DPI was reported teaching at Valpo Technical Institute. With car building starting again QST was editorializing about the ignition noise that would result as the hams get back on the air. Lucky for us, the automotive boys also found

35

Clean Sweep Spring Sale
Come in now!

Van Sickie Radio Supply Co.

THE PRESIDENT'S FREQUENCY

I understand that this column has always been designated the 'president's frequency'. I never gave it much thought, but I now realize for the first time, it was properly named. Friday, January 13 (I looked for my rabbit foot) the 1967 club officers and directors were installed. After being given the oath and laying on of hands by Worthy Trustee - Alvey W9JJC, I began to realize what had happened. It was then I really went into oscillation - frequency - VHF/UHF on into infinity. That night, I just could not slide off into the land of slumber. Am not certain whether it is the president's frequency or the Chief Op's coffee, at any rate I got up and dashed off these words.

The directors and your president will strive to make 1967 an interesting and helpful year for all IRC members. It is hoped that all club members will more actively participate in the various activities and thereby receive more in return for their membership.

A program chairman and committee have been appointed. They will expect to utilize club members to a greater extent. Your program chairman, Vice President Jerry Lucas W9APJ, fully expects willingness and fullest co-operation.

A Technical Advisory Committee, with Director Jim Sugioka W9CKB as chairman, has been designated. The purpose of the committee is to provide technical consultation to club members and other hams who wish such advisory service. The idea is that anyone wishing consultive assistance, come to the club on any regular meeting date, make their wants known and a member of the Technical committee will advise them. This will be done in private and NOT BEFORE THE ENTIRE CLUB.

Dues for 1967 have been set at \$4.00, the same as for the last several years. Notice that dues are to be paid to the 1967 Treasurer Al Minnick K9SUW, have been mailed. The club is counting on all to promptly respond. Al is an accountant, and this very fact, assures prompt and correct accounting of all membership.

TNX for fb QSO es BCU
73
de Ward WA9CCX

* *

Jim Sugioka W9CKB is now being heard with his new DRAKE TX.....SSB????? CW



photo by K9VIE

CHANGE OF COMMAND

The above photo is appearing rather late in the year, but since some of you have not been to any club meetings lately, I thought you might like to see what your new President looks like. Ward Studor WA9CCX (left) is receiving the gavel from T. G. (Jerry) Lucas W9APJ.

Ward is on a European tour at this present moment and has promised the membership a full report upon his return.

*

No News from Arizona this month, wazza wazza waz???

*

Dick Kinnett K9VIE lost his beam and tower the night of the big wind, February 15th, hope to be on the air soon though, I can not miss out on the YI/QM contest on the 25th. How is your insurance???

NOODLE NUDGER DEPARTMENT

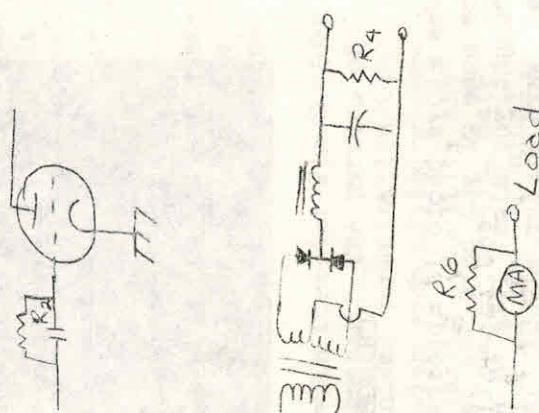
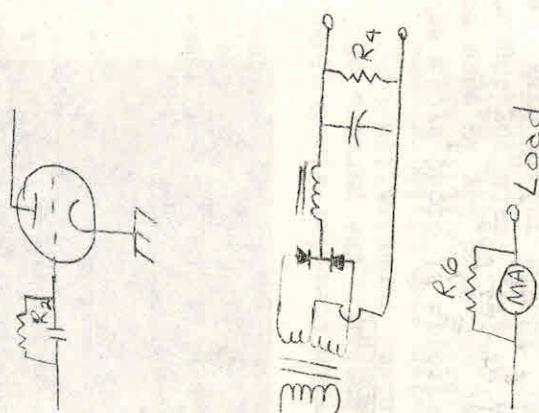
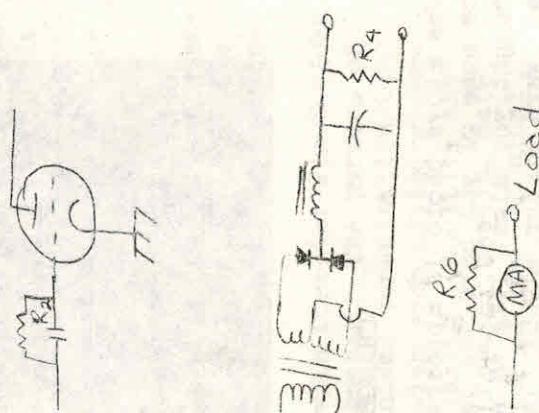
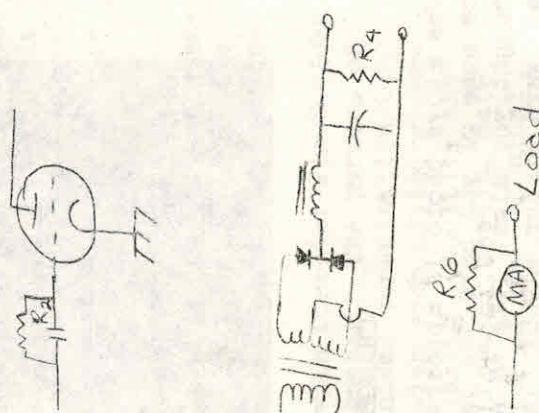
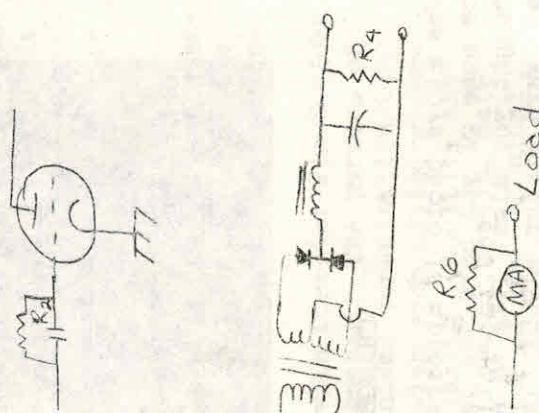
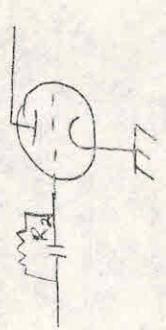
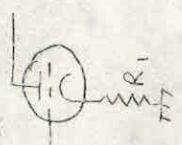
1967 DAYTON HAMVENTION

Only one answer was received to last months quiz. It was submitted by Ward Studor WA9CCX

$$Z = \sqrt{X \cdot R} = \sqrt{10 \cdot 10} = 14 \text{ rounded off to whole number voltage applied is 10 volts thus } I = \frac{V}{Z} = .714 \text{ amperes}$$

7.14 say 7

* Resistors perform various functions in electronic gear, and are called by names which indicate in which specific function they are being used. See if you can give the proper name to the resistors in the schematics below.



Sponsored by the DAYTON AMATEUR RADIO ASSOCIATION

SATURDAY, APRIL 15, 1967

WAMPLER AREAANA CENTER

PROGRAM

0700 - 1700 Registration
0730 - 1800 Exhibits Open - Prizes on Display
0900 - 1200 VHF FORUM Moderator - Ed Clegg W2LOY
0900 - 1200 DX FORUM Moderators - Roy Hearsum W8LUZ,
Don Miller W9WNV, Tony Rogozinski VQ9AR.
RTTY FORUM Moderator - F. 'Dusty' Dunn W8CQ
1140 - 1200 HIDDEN TRANSMITTER HUNT - Rudy Plek W8ZOF &
Carl Yeager W8DWT conducting.

LUNCH

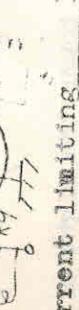
1200 - 1330 LUNCH
1330 - 1430 ARRL FORUM Moderator - Ken Mills W8RLY,
Dana Cartwright W8UPB.
1440 - 1700 ANTENNA FORUM Moderator - Joe Semkov W8LIP,
Aaron 'Doc' Self W8FYR, Kirk Electronics
SSB FORUM Moderators - Dotty Strauber K2HEA,
Irv Strauber (Hammarlund) K2MGE, Milt Sullivan
(R. L. Drake) K8YDO.
1440 - 1700 ARMY MARS - to be announced
1400 - 1700 AIR FORCE MARS - Gil Brennan AF4A8MUZ
1400 - 1700 Amateur Radio Public Service FORUM Moderator
James W. Benson W8OUU & Hank Green W8CFT.
* Additional Forum Speakers will be announced.

HAMVENTION BANQUET
Master of Ceremonies: Dan Graves W8ZTL
Banquet Speaker - to be announced

PRIZES will be awarded at end of each technical session with the main prizes awarded at the banquet.

MAIN PRIZE: - A complete DRAKE Station R-4, T-4X, AC Power and Speaker. all you need is the key-errr Mike and the Antenna. Not to mention a ticket and LOG.

Volume control Grid Leak Voltage divider



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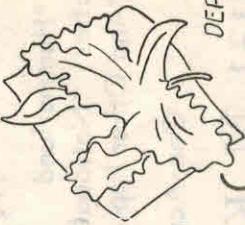
WANTED: Tri-band Beam and Rotor WA9QMU Young Snodgrass
FOR SALE: Drake TR-4 with RV-3. WA9QMU Young Snodgrass
 Box 411, Westfield, IN
 phone 4 896 2676

*

Our cover this month shows the 1967 OFFICERS (left to right) Treasurer - Al Minick K9SUW, Director - Bob Caskey W9DNE, Vice President - Jerry Lucas W9APJ, Chief Of - Bill Lueh W9DSC, President - Ward Studor WA9CCX, Secretary - Terry Terrill WA9QK, Director - Jim Sugio-ka W9CKB. Missing from photo was Trustee - Alvey Pitt- man W9IJC and Editor/Photographer Dick Kinnett K9VIE.

*

Fine Flowers
FOR EVERY OCCASION

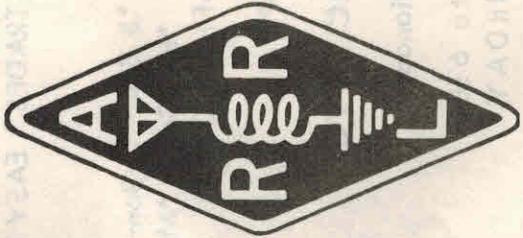


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